



Kentucky's Current Energy Efficiency Programs

Generally, the main objectives of Demand-Side Management (DSM) and Energy Efficiency Programs are to defer or eliminate the need for utilities to build additional capacity, to provide opportunities for energy consumers to reduce their energy usage and their bills, to reduce the output of the highest cost generation, to reduce emissions levels, and to free up capacity to make off-system sales. Below is a general summary of the kinds of programs currently run by Kentucky's utilities designed to meet these objectives, as well as programs supported by the Energy and Environment Cabinet.

I. Utility-Run

A. Residential Programs

- Energy audits/analyses
- Heating, Ventilation, and Air Conditioning (HVAC) diagnostic and tune-up rebate programs
- Compact fluorescent bulbs and other lighting incentive programs
- Comprehensive energy education
- High efficiency heat pump incentive programs
- Incentives for Energy Star appliances, including refrigerators, clothes dryers, air conditioners, and water heaters
- Weatherization for older homes
- Incentives for new construction of homes with efficient appliances
- Manufactured homes retrofit programs, including heat pump replacements
- Incentives to encourage energy efficient construction of new manufactured homes
- Programmable thermostats
- Low-income energy assistance
- Low-income weatherization
- Pilot on-bill financing program for energy efficiency improvements
- Direct load control of air conditioners / water heaters
- Geothermal cooling and heating incentives

B. Commercial Programs

- Commercial energy audits/analyses
- HVAC diagnostic and tune-up rebate programs
- Incentives for new construction with efficiency upgrades
- Incentives for installation of efficient refrigeration and lighting
- Incentives to install high efficiency equipment in applications involving new construction, retrofit, and replacement of failed equipment, including lighting, HVAC, pumps, drives and motors, and refrigeration

- Direct load control of air conditioners / water heaters
- Programs to promote construction of high performance schools, energy-saving schools

C. Industrial Programs

- Industrial premium motors program
- Industrial variable speed drives program
- High efficiency lighting
- Incentives to install high efficiency equipment in applications involving new construction, retrofit, and replacement of failed equipment, including lighting, HVAC, pumps, drives and motors, and refrigeration

II. State-Sponsored

A. Residential Programs

- Kentucky Home Performance with ENERGY STAR
- Utility Smart Grid via local utilities
- Save Energy Now Program
- Energy Efficient Appliance Rebate Program
- State Heating Oil and Propane Program
- Enhancing State Energy Assurance Capabilities and Planning for Smart Grid Resiliency

B. Commercial and Industrial Programs

- Industrial Facility Retrofit Showcase
- Industrial/Commercial Sustainability Program
- Kentucky Farm Energy Efficiency and Renewable Energy Partnership
- Kentucky Multi-County Collaborative Agricultural Energy Initiatives Program
- Energy Management Software and Controls for State Buildings

C. Financing Programs

- Green Bank of Kentucky, an Energy Efficiency Revolving Loan Fund

D. Academic/Training Programs

- High Performance Sustainable Energy Research Laboratory
- Kentucky Energy Efficiency Program for Schools (KEEPS)
- Kentucky School Energy Managers Project (SEMP)
- Kentucky Green and Healthy Schools Program
- Kentucky National Energy Education Development (NEED) Project
- Code Training and Development for Commercial Sector
- Code Training and Development for Residential Sector
- University Energy Education Curriculum Project
- Kentucky Net-Zero Energy Schools
- Training and Inspection for Kentucky Department for Housing, Buildings and Construction
- Stimulating Energy Efficiency Action